



2000 Toxics Release Inventory

OHIO

Reported Releases and Waste Management Activities (in pounds)

	Original Industry	New Industry	Total
On-site Releases	95,508,146	134,110,781	229,618,927
Air Emissions	59,142,600	85,706,686	144,849,286
Surface Water Discharges	7,505,742	164,446	7,670,188
Underground Injection Class I Wells	13,355,827	16,932,740	30,288,567
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	46,777	16,888,200	16,934,977
Other On-site Land Releases	15,457,199	14,418,709	29,875,909
Off-site Releases (Transfers Off-site to Disposal)*	41,567,698	11,833,371	53,401,069
Total On- and Off-site Releases	137,075,843	145,944,153	283,019,996
Recycled On-site	189,659,191	39,074,684	228,733,875
Recycled Off-site	179,927,916	2,056,333	181,984,249
Energy Recovery On-site	94,899,826	0	94,899,826
Energy Recovery Off-site	29,201,731	17,465,475	46,667,206
Treated On-site	144,185,150	84,842,291	229,027,441
Treated Off-site**	34,532,466	4,478,664	39,011,130
Quantity Released On- and Off-site***	144,612,656	145,896,718	290,509,374
Total Production-related Waste Managed	817,018,936	293,814,165	1,110,833,101
Non-production-related Waste Managed	138,339	65,480	203,819

Transfers Off-site for Further Waste Management/Disposal

Recycling	180,178,832	1,616,832	181,795,664
Energy Recovery	28,945,181	17,887,031	46,832,212
Treatment	11,877,535	4,299,160	16,176,694
Publicly Owned Treatment Works (POTWs)	22,901,289	168,559	23,069,848
Metals and Metal Compounds*	312,502	837	313,339
Non-metal TRI Chemicals**	22,588,787	167,722	22,756,509
Other Off-site Transfers****	32,604	0	32,604
Transfers Off-site to Disposal (not including metals to POTWs)	48,113,510	12,111,106	60,224,616
Total Transfers Off-site for Further Waste Management/Disposal	292,048,951	36,082,688	328,131,639

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

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The largest marker in the state map represents the largest facility for on-site releases in the state of Ohio. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	11,359,955
Square Miles	40,953
Total Facilities	1,696
Total Forms	6,533
Form As	1,141

	Original Industry	New Industry	Total
National Rank for Total On- and Off-site Releases*			
Rank	3	5	6
Pounds	137,075,843	145,944,153	283,019,996
National Rank for Total On-site Releases**			
Rank	4	5	6
Pounds	95,508,146	134,110,781	229,618,927
National Rank for Total Releases within State***			
Rank	2	5	5
Pounds	179,665,437	146,649,085	326,314,522
National Rank for Production-related Waste Managed			
Rank	8	5	8
Pounds	817,018,936	293,814,165	1,110,833,101

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



2000 Toxics Release Inventory

OHIO

On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	69,962,656	42	0	0	0	69,962,698	808,096	0	0
—	Zinc compounds	365,171	53,374	310,000	2,998,900	19,336,285	23,063,730	34,420,641	12,632,909	6,787,938
—	Manganese compounds	564,600	235,774	39,250	11,275,461	6,737,005	18,852,090	5,630,038	6,077,524	663,954
7440-66-6	Zinc (fume or dust)	79,401	14,451	0	9,300,600	5,442,800	14,837,252	1,711,176	6,531,683	101,590
7664-41-7	Ammonia	11,584,378	433,762	2,123,000	54,807	61,191	14,257,138	283,671	154,371	2,059

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Polycyclic aromatic compounds	772,534.48	139.91	0.00	47.90	391,888.98	1,164,611.27	18,952.80	348,613.29	43,275.69
—	Mercury compounds	8,965.55	8.08	740.00	4,642.75	3,113.89	17,470.26	47,768.00	1,542.61	1,651.73
40487-42-1	Pendimethalin	2.34	0.00	0.00	0.00	9,467.00	9,469.34	0.00	3,854.00	5,613.00
7439-97-6	Mercury	2,974.72	94.09	0.00	404.58	2,152.80	5,626.19	1,224.58	545.94	1,608.12
191-24-2	Benzo(g,h,i)perylene	3,080.02	9.20	0.00	2.00	1,456.81	4,548.03	2,333.20	1,071.26	385.55
1582-09-8	Trifluralin	2,512.38	0.00	0.00	0.00	1,058.00	3,570.38	0.00	1,058.00	0.00
79-94-7	Tetrabromobisphenol A	13.50	0.00	0.00	0.00	670.00	683.50	0.00	670.00	0.00
1336-36-3	Polychlorinated biphenyls (PCBs)	0.00	0.00	0.00	17.30	145.00	162.30	2,423.44	0.00	145.00
8001-35-2	Toxaphene	7.18	0.00	0.00	0.00	0.00	7.18	0.00	0.00	0.00
76-44-8	Heptachlor	1.10	0.00	0.00	0.00	2.00	3.10	0.00	0.00	2.00
608-93-5	Pentachlorobenzene	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00
72-43-5	Methoxychlor	0.59	0.00	0.00	0.00	1.00	1.59	0.00	0.00	1.00
118-74-1	Hexachlorobenzene	0.07	0.00	0.00	0.00	1.20	1.27	7.40	1.20	0.00
57-74-9	Chlordane	1.25	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.12	0.01	0.00	0.53	0.55	1.21	0.03	0.47	0.09
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>53.400</i>	<i>2.765</i>	<i>0.100</i>	<i>242.098</i>	<i>250.490</i>	<i>548.853</i>	<i>12.572</i>	<i>211.482</i>	<i>39.008</i>
309-00-2	Aldrin	0.12	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
465-73-6	Isodrin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

*** No reports were submitted for these chemicals.



2000 Toxics Release Inventory

OHIO

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
J. M. Stuart Station, Manchester, Adams	14,198,660	20,152	0	0	0	3,127,475	17,346,287	0	34
Vickery Environmental Inc., Vickery, Sandusky	5	0	16,932,740	0	0	0	16,932,745	0	52,201
Envirosafe Services Of Ohio Inc., Oregon, Lucas	910	0	0	0	16,888,200	0	16,889,110	7,760	1,026
BP Chemicals Inc., Lima, Allen	248,370	0	13,342,695	0	0	0	13,591,065	1,520	1,220
Eramet Marietta Inc., Marietta, Washington	2,576,432	558,000	0	0	0	8,617,474	11,751,906	0	56,100
American Electric Power Cardinal Plant, Brilliant, Jefferson	9,605,255	20,895	0	0	0	1,885,410	11,511,560	0	5,455
American Electric Power Muskingum River Plant, Beverly, Washington	7,813,049	10,079	0	0	0	1,467,455	9,290,583	1,560	6
Kyger Creek Station, Gallipolis, Gallia	7,137,218	8,641	0	0	0	940,091	8,085,950	0	1
American Electric Power Conesville Plant, Conesville, Coshocton	6,538,258	31,574	0	0	0	1,502,521	8,072,353	751	0
CG&E Miami Fort Generating Station, North Bend, Hamilton	6,888,371	6,541	0	0	0	136,956	7,031,869	6,155	28,555

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Ormet Primary Aluminum Corp., Hannibal, Monroe	763,500.00	0.00	0.00	0.00	0.00	0.00	763,500.00	319,000.00	0.00
National Electrical Carbon Prods. Inc., Fostoria, Seneca	8,177.00	0.00	0.00	0.00	0.00	0.00	8,177.00	2,700.00	0.00
American Electric Power Gavin Plant, Cheshire, Gallia	956.26	2.00	0.00	0.00	0.00	1,930.00	2,888.26	4.20	3.00
Andersons Lawn Prods. Group, Maumee, Lucas	2,510.00	0.00	0.00	0.00	0.00	0.00	2,510.00	0.00	0.00
American Electric Power Conesville Plant, Conesville, Coshocton	1,204.34	0.00	0.00	0.00	0.00	896.00	2,100.34	1.00	0.00
Ashta Chemicals Inc., Ashtabula, Ashtabula	1,390.00	0.00	0.00	0.00	0.00	0.00	1,390.00	1.00	218.00
J. M. Stuart Station, Manchester, Adams	807.17	0.10	0.00	0.00	0.00	474.80	1,282.07	0.00	0.00
Eramet Marietta Inc., Marietta, Washington	903.00	0.00	0.00	0.00	0.00	174.00	1,077.00	0.00	0.00
Honeywell Intl. Inc., Ironton, Lawrence	932.00	129.00	0.00	0.00	0.00	0.00	1,061.00	0.00	4,835.00
American Electric Power Cardinal Plant, Brilliant, Jefferson	654.16	0.00	0.00	0.00	0.00	250.00	904.16	0.00	9.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



2000 Toxics Release Inventory

OHIO

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
J. M. Stuart Station, Manchester, Adams	0	5	0	0	4,240,100	0	17,027,269	21,267,374	0
Vickery Environmental Inc., Vickery, Sandusky	0	0	0	0	0	2,211	16,936,751	16,938,962	0
Envirosafe Services of Ohio Inc., Oregon, Lucas	0	0	0	0	0	0	16,888,200	16,888,200	0
BP Chemicals Inc., Lima, Allen	3,520,000	0	6,498,400	0	3,623,000	29,922	13,575,421	27,246,743	4,202
Eramet Marietta Inc., Marietta, Washington	229,960	50,400	0	0	17,000	0	11,808,006	12,105,366	0
American Electric Power Cardinal Plant, Brilliant, Jefferson	0	32,800	0	0	2,068,000	0	11,526,114	13,626,914	0
American Electric Power Muskingum River Plant, Beverly, Washington	0	60,200	0	0	4,454,000	0	9,292,703	13,806,903	0
Firstenergy W.H. Sammis Plant, Stratton, Jefferson	0	0	0	0	2,120,100	0	8,740,604	10,860,704	0
Kyger Creek Station, Gallipolis, Gallia	0	0	0	0	2,000,000	0	8,090,673	10,090,673	0
American Electric Power Conesville Plant, Conesville, Coshocton	0	19,100	0	0	8,200,000	0	8,067,504	16,286,604	0

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Ormet Primary Aluminum Corp., Hannibal, Monroe	0	0	0	0	0	0	1,082,000	1,082,000	0
Sunoco Inc. (R&M), Oregon, Lucas	0	0	0	0	0	108	53,065	53,173	0
National Electrical Carbon Prods. Inc., Fostoria, Seneca	0	0	0	0	65,269	0	10,864	76,133	0
AK Steel Corp., Middletown, Butler	0	8,640	206	0	8	40	10,847	19,741	0
Honeywell Intl. Inc., Ironton, Lawrence	25,600	0	0	22,734	0	77,304	5,901	131,539	0
Scotts Co., Marysville, Union	0	0	0	0	0	9,228	5,613	14,841	0
Lesco Martins Ferry, Martins Ferry, Belmont	4,000	0	0	0	0	0	4,906	8,906	0
American Electric Power Gavin Plant, Cheshire, Gallia	0	0	0	0	0	0	2,906	2,906	0
Andersons Lawn Prods. Group, Maumee, Lucas	5,500	0	0	0	0	0	2,500	8,000	0
Environmental Ents. Inc., Cincinnati, Hamilton	6,600	71	0	0	0	0	2,209	8,880	0

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.